

CLAIMS

1. A temperature detecting analytical device comprising a mounting portion for mounting an analytical tool
5 capable of outputting information for computation, a computation unit for conducting computation for analyzing a sample based on said information for computation, and a temperature detection unit for outputting the temperature information, wherein
10 said temperature detection unit is disposed in said mounting portion.
2. The temperature detecting analytical device according to claim 1, which further comprises a
15 temperature correction unit for correcting the computation results obtained in said computation unit, based on said temperature information.
3. The temperature detecting analytical device
20 according to claim 1, wherein said temperature detection unit comprises a contact type temperature sensor.
4. The temperature detecting analytical device according to claim 3, wherein said temperature detection
25 unit comprises a thermally conductive portion having a contact surface to be brought into contact with said temperature sensor and said analytical tool.

5. The temperature detecting analytical device according to claim 4, wherein said thermally conductive portion is formed from a material with a thermal conductivity of higher than $0.10 \text{ cal}/(^{\circ}\text{C}\cdot\text{cm}\cdot\text{sec})$.

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6. The temperature detecting analytical device according to claim 5, wherein said thermally conductive portion is formed from a material with a thermal conductivity of higher than $0.15 \text{ cal}/(^{\circ}\text{C}\cdot\text{cm}\cdot\text{sec})$.

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7. The temperature detecting analytical device according to claim 5, wherein said thermally conductive portion is formed from iron, copper, aluminum, alloys containing at least one of those metals as the main component, and ceramics.

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8. The temperature detecting analytical device according to claim 4, wherein said temperature sensor and said thermally conductive portion are disposed in said mounting portion in which they are sealed with a resin package.

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9. The temperature detecting analytical device according to claim 3, wherein said temperature detection unit comprises a contact type temperature sensor, and

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the temperature sensor is disposed so as to be in direct contact with said analytical tool when said analytical tool is mounted on said mounting portion.

5 10. The temperature detecting analytical device according to claim 1, wherein said temperature detection unit comprises a non-contact type temperature sensor.

11. The temperature detecting analytical device
10 according to claim 1, wherein when an analytical tool comprising a reagent portion is used as said analytical tool,

said temperature detection unit is disposed so as to be located in the region directly below or in the region
15 directly above said reagent portion when said analytical tool is mounted on said mounting portion.

12. The temperature detecting analytical device according to claim 11, wherein said reagent portion
20 comprises an enzyme.

13. The temperature detecting analytical device according to claim 12, wherein said enzyme has a catalytic action with respect to the oxidation reaction
25 of glucose.

14. The temperature detecting analytical device according to claim 1, wherein said analytical tool is disposable.

5 15. The temperature detecting analytical device according to claim 1, wherein said mounting portion comprises an insertion portion for inserting the end portion of said analytical tool and a table portion for installing said analytical tool,

10 said temperature detection unit being disposed in said table portion.

16. The temperature detecting analytical device according to claim 15, wherein said table portion
15 protrudes to the side of said analytical device.

17. The temperature detecting analytical device according to claim 15, wherein a push-down portion for pushing said analytical tool down with respect to said
20 table portion is disposed in said mounting portion.

18. The temperature detecting analytical device according to claim 17, wherein when an analytical tool comprising an output unit for outputting said information
25 for computation is used as said analytical tool,

said push-down portion has a capability of being brought into contact with said output unit and inputting said information for computing.

- 5 19. The temperature detecting analytical device according to claim 18, wherein said push-down portion is a plate spring formed from a conductor.